IN THE CLAIMS

Please amend the claims as follows:

1. (Currently Amended) A lead comprising:

a lead body extending from a proximal end to a distal end; and

an electrode coupled to the lead body;

wherein the lead body and the electrode each have an outer surface adapted to passively prevent formation of clots on the outer surfaces, wherein the outer surface of the electrode includes a textured coating including titanium microspheres.

2. (Withdrawn) The lead of claim 1, wherein the outer surface of the lead is textured so as to form a pseudo-intimal layer on the outer surface.

3. (Withdrawn) The lead of claim 1, wherein the lead body includes at least a portion seeded with endothelial cells or stem cells.

4. (Withdrawn) The lead of claim 1, wherein the lead body material includes a phospholipid polymer.

5. (Currently Amended) The lead of claim 1, wherein the ~~outer surface of the electrode includes a textured coating or surface~~ titanium microspheres have a diameter of between 75-100 μm.

6. (Cancelled)

7. (Currently Amended) The lead of claim [[6]] 1, wherein the titanium microspheres are dimensioned to attract circulating blood cells so as to develop a uniform and tightly adherent biologic surface.

8. (Withdrawn) The lead of claim 1, wherein the lead body includes an amino acid sequence attached to a polymer, the amino acid sequence chosen to bind to cell receptors.

9. (Original) The lead of claim 1, wherein the outer surface of the lead does not include any active coatings which elute from the surface to minimize clotting.

10. (Currently Amended) The lead of claim 1, wherein the lead is adapted to be coupled to a pulse generator and is adapted for delivering cardiac resynchronization therapy.

11. (Currently Amended) A lead comprising:

a lead body extending from a proximal end to a distal end; and

an electrode coupled to the lead body;

wherein the lead body has a textured outer surface adapted to passively prevent formation of clots on the outer surface; and

wherein the electrode includes an outer textured surface including titanium microspheres.

12. (Original) The lead of claim 11, wherein the electrode outer surface is adapted to trap blood cells within the textured surface to form a layer of blood cells on the electrode surface.

13. (Currently Amended) The lead of claim 11, wherein the ~~microspheres are~~ titanium microspheres have a diameter of between 75-100 μm.

14. (Original) The lead of claim 11, wherein the outer surface of the lead does not include any active coatings which elute from the surface to minimize clotting.

15. (Currently Amended) The lead of claim 11, wherein ~~the lead outer surface is inherently non-thrombogenic~~ the titanium microspheres are dimensioned to attract circulating blood cells so as to develop a uniform and tightly adherent biologic surface.

16. (Currently Amended) The lead of claim 11, wherein the lead is adapted to be coupled to a pulse generator and is adapted for delivering cardiac resynchronization therapy.

17. (Currently Amended) A lead comprising:

a lead body extending from a proximal end to a distal end;

an electrode coupled to the lead body; and

means for passively preventing formation of clots on the electrode and the lead body, wherein means for passively preventing includes a titanium microsphere outer surface coating on at least a portion of the electrode.

18. (Currently Amended) The lead of claim 17, wherein ~~means for passively preventing includes a microsphere outer surface coating on at least a portion of the electrode~~ the titanium microspheres are dimensioned to attract circulating blood cells so as to develop a uniform and tightly adherent biologic surface.

19. (Withdrawn) The lead of claim 17, wherein means for passively preventing includes at least a portion of the lead body having an outer surface seeded with endothelial cells or stem cells.

20. (Withdrawn) The lead of claim 17, wherein means for passively preventing includes the lead body having an outer surface including a phospholipid polymer material.

21-23. (Cancelled)

24. (New) The lead of claim 1, wherein the electrode includes a tip electrode.